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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/971,029	10/05/2001	Heikan Izumi	1163-0360P	3732

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EXAMINER

KE, PENG

ART UNIT PAPER NUMBER

2174

DATE MAILED: 11/18/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/971,029

Applicant(s)

IZUMI ET AL.

Examiner

Peng Ke

Art Unit

2174

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11/05/2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-11 are rejected under 35 U.S.C. 102(e) as being anticipated by Perkes (US 6,373,503).

As per claim 1, Perkes teaches a digital broadcast receiving device comprising:

receiving means, arranged in a personal computer, for receiving a high-definition television picture of a digital broadcast signal and decoding the high-definition television picture (col. 2, lines 50-60); and

displaying means, arranged in the personal computer, for selecting either the high-definition television picture decoded by the receiving means or an output picture of the personal computer and displaying the selected high-definition television picture or the selected output picture on a display (col. 3, lines 50-65).

As per claim 2, Perkes teaches a digital broadcast receiving device according to claim 1, wherein the receiving means is arranged on a board and is set to the personal computer (col.2, lines 4-14).

As per claim 3, Perkes teaches a digital broadcast receiving device according to claim 1, wherein the receiving means is arranged in a card and is set to the personal computer (col. 2, lines 37-50).

As per claim 4, Perkes teaches a digital broadcast receiving device according to claim 1, wherein the high-definition television picture or the output picture of the personal computer is displayed on a monitor of the personal computer by the display means (col.3, lines 50-64).

As per claim 5, Perkes teaches a digital broadcast receiving device according to claim 1, wherein the high-definition television picture or the output picture of the personal computer is displayed on a monitor of a high-definition television set by the display means (col. 3. lines 53-64)

As per claim 6, Perkes teaches a digital broadcast receiving device according to claim 1, further comprising a central processing unit, arranged in the personal computer, for controlling the receiving means and the displaying means to display the high-definition television picture decoded by the receiving means on the display of the displaying means (col. 2, lines 37-50).

As per claim 7, Perkes teaches a digital broadcast receiving device according to claim 6, further comprising a peripheral component interconnect bus arranged in the personal computer, wherein contents of a data broadcast signal multiplexed in the digital broadcast signal are output by the receiving means to the central processing unit through the peripheral component interconnect bus (col. 2, lines 38-58).

As per claim 8, Perkes teaches a digital broadcast receiving device according to claim 6, further comprising a peripheral component interconnect bus arranged in the personal computer, wherein an electronic program guide multiplexed in the digital broadcast signal is output by the receiving means to the central processing unit through the peripheral component interconnect bus (col. 2, lines 38-58).

Art Unit: 2174

As per claim 9, Perkes teaches a digital broadcast receiving device according to claim 1, further comprising a peripheral component interconnect bus arranged in the personal computer; and

a graphic card, arranged in the personal computer, for storing the output picture of the personal computer, wherein the high-definition television picture is converted into a normal picture by the receiving means and is stored in the graphic card through the peripheral component interconnect bus, and the normal picture stored in the graphic card is displayed on the display of the displaying means (col. 2, lines 38-58).

As per claim 10, it is rejected with same rationale as claim 1. (see rejection above)

As per claim 11, it is rejected with same rationale as claim 1. (see rejection above)

Conclusion

The following patents are cited to further show the state of the art with respect to digital broadcasting method:

Yang et al. (US 5,557,298) discloses a method for specifying a video window's boundary coordinators to partition a video signal and compress its components.

Yanghan et al. (US 5,905,497) discloses an automatic and seamless cursor and pointer integration.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peng Ke whose telephone number is (571) 272-4062. The examiner can normally be reached on M-Th and Alternate Fridays 8:30-5:00.

Art Unit: 2174

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine L Kincaid can be reached on (571) 272-4063. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Peng Ke

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